

MAZO, S.B.

BRITVAN, Ya.M.; MAKAROVA, Z.A.; MAZO, S.B.

Effect of anoxia on the development of parabiologic reactions of the
respiratory and vasomotor centers. Arkh. pat. 16 no.3:35-44 J1-8 '54.
(MIRA 7:10)

1. Iz kafedry patologicheskoy fiziologii (zav. prof. I.M.Britvan)
Vinnitskogo meditsinskogo instituta.

(ANOXIA, effects,

parabiologic reactions of resp. & vasomotor centers)

(BRAIN,

resp. & vasomotor centers, eff. of anoxia on parabiologic
reactions in animals)

SMIRNOV-ALYAYEV, G.A., prof., doktor tekhn. nauk; VAYNTRAUB, D.A.,
kand. tekhn.nauk; MAZO, S.G., inzh., retsenzent; TEPLITSKIY,
B.M., retsenzent; SVERDLOV, M.I., kand. tekhn. nauk, red.;
VARKOVETSKAYA, A.I., red.izd-va; CHFAS, M.A., red. izd-va;
PETERSON, M.M., tekhn. red.

[Gold stamping in the manufacture of instruments] Kholodnaya
shtampovka v priborostroeni. Izd.2., perer. i dop. Mo-
skva, Mashgiz, 1963. 434 p. (MIRA 16:11)
(Instrument manufacture) (Forging)
(Sheet-metal work)

SMIRNOV-ALYAYEV, G.A., prof., doktor tekhn. nauk; VAYNTRAUB, D.A.,
kand. tekhn.nauk; MAZO, S.G., inzh., retsenzent; TEPLITSKIY,
B.M., kand. tekhn.nauk, red.; VARKOVETSKAYA, A.I., red.izd-
va; CHFAS, M.A., red.izd-va; PETERSON, M.M., tekhn. red.

[Cold forging and sheet-metal work in the manufacture of
instruments] Kholodnaia shtampovka v priborostroenii. Izd.2.,
perer. i dop. Moskva, Mashgiz, 1963. 434 p. (MIRA 17:1)

DYMAN, Z.L.; MAZO, S.Ya.; IL'IN, I.P., inzh., retsenzent; YAKOVLEV,
D.V., inzh., red.; VOROTNIKOVA, L.F., tekhn. red.

[Contactors and switches for d.c. electric trains] Kon-
taktory i perekliuchateli elektropoezdov postoiannogo toka.
Moskva, Transzheldorizdat, 1963. 151 p. (MIRA 17:2)

MAZO, V.I., inzhener.

Design of "vanishing" supports. Vest.mash. 36 no.11:23-26 N'56.

(MLRA 10:1)

(Rolling mills) (Mechanical engineering)

MAZO, V. I., MUYZEMNEK, Yu. A.

"Model testing of Machine Components"

Design of Ore Beneficiation Equipment, Moscow, Mashgiz, 1958. 234p.
Sbornik statey, vyp. 2, Ural'skiy zavod tyazhelogog mashinostroyeniya, Sverdlovsk

MUZYKIN, Yu.A.; MAZO, V.I.

Testing of machine elements on models. Sbor.st.UZTM no.2:216-235
' 58. (MIRA 11:12)
(Machinery--Models) (Strains and stresses)

MAZO, V.I., inzh.

Investigating the support frame of the ESh-15/90 excavator by means
of a strain-measuring model. Konstr.krup.mash. no.1:80-99 '62.

(MIRA 16:2)

(Excavating machinery—Equipment and supplies)

MAZO, Ya.

Science and technology section on voluntary basis. Za bezop.dvish.
4 no.1:12 Ja '62. (MIRA 16:7)

(Traffic safety)

MAZO, Ya.

Magnetic recording tapes. Tekh. radioveshch. i telev. no.2:3-17
'63. (MIRA 18:3)

1. Starshiy inzh. Vsesoyuznogo nauchno-issledovatel'skogo instituta
zvukozapisi.

MAZO, Ya.A.; SHLIF, L.I.; YASTRZHEMSKAYA, N.I.

Demagnetization of magnetic films. Trudy VMAIZ no.9:33-56 '61.
(MIRA 15:9)

(Magnetic recorders and recording)

MAZO, Ya. A.; MEL'KONOVITSKAYA, I.P.; SAMOSSKIY, V.A.

Temperature dependence of the magnetic properties of sound
carriers. Trudy VNAIZ no.9:57-64 '61. (MIRA 15:9)
(Magnetic recorders and recording)

MAZO, Ya.A.

Study of wire sound carriers. Trudy VNAIZ no.10:81-97 '62.

Methods for measuring electroacoustical properties of wire sound
carriers. 98-118 (MIRA 16:11)

17(12)

SOV/177-58-4-10/32

AUTHOR: Mazo, Ye.B.

TITLE: On the Question of Prophylaxis of Suppuration of the Wound of the Abdominal Wall After Appendectomy (K voprosu o profilaktike nagnoyeniy rany bryushnoy stenki posle appendektomii)

PERIODICAL: Voyenno-meditsinskiy zhurnal, 1958, Nr 4, pp 33-37 (USSR)

ABSTRACT: The article deals with the prophylaxis of post-operative suppuration of the wound of the abdominal wall after appendectomy. M.V. Krasnosel'skiy counted about 56.8%, and S.G. Toprover about 50.4% suppurations in all appendectomies. Two methods for preventing post-operative suppuration of the abdominal wall are now in use: a) the dry suture with an administration of antibiotics, and b) provisional sutures in combination with antibiotics and without them. Based on data obtained at the Klinicheskaya bol'nitsa (Clinical Hospital) in

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SCV/177 -58-4-10/32

On the Question of Prophylaxis of Suppuration of the Wound of the Abdominal Wall After Appendectomy

Moscow, the author concludes that the application of provisional sutures of the skin with the panniculus adiposus is the most effective method for reducing post-operative suppuration in destructive forms of acute appendicitis. The best results were observed by drawing together the skin wound after 2 to 4 days of the post-operative period. The younger the patients, the better were the results in applying provisional sutures. The worst results were obtained in gangrenous and perforated appendicitis. There are various methods of administering antibiotics in combination with provisional sutures which do not noticeably improve the healing process of the wound. There are 4 tables.

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MAZO, Ye.B.; NYAN'KOVSKIY, A.M.

Case of acute appendicitis in aplasia of the vagina and uterus.

Sov.med. 23 no.8:125-126 Ag '59.

(MIRA 12:12)

1. Iz gorodskoy bol'nitsy No.53 Moskvy (glavnyy vrach - S.G. Rinkevich, vedushchiy khirurg - prof. D.E. Odinov).

(APPENDICITIS compl.)

(VAGINA abnorm.)

(UTERUS abnorm.)

MAZO, Ye.B.

Primary tuberculous ulcer of the head of the penis simulating
cancer. Urologia 24 no.6:59-60 '59. (MIRA 13:12)
(PENIS—TUBERCULOSIS)

LOPATKIN, N.A.; MAZO, Ye.B.

Intubation anesthesia in aged urological patients. Urologia 25
no. 5:12-19 8-0 '60. (MIRA 14:1)
(UROLOGY) (INTRATRACHEAL ANESTHESIA)
(GERIATRIC ANESTHESIA)

DZHAVAD, ZADE, M.D., kand.med.nauk; MAZO, Ye.B.

Anesthesia in operations on patients with polycystic kidneys.
Vest.khir. no.10:128-134 '61. (MIRA 14:10)

1. Iz urologicheskoy kliniki (zav. - prof. A.Ya. Pytel') 2-go
Moskovskogo meditsinskogo instituta im. N.I. Pirogova.
(KIDNEYS--DISEASES) (ANESTHESIA)

MAZO, Ye.B.

Intubation granuloma. Khirurgiia 37 no.4:15-18 '61.

(MIRA 14:4)

1. Iz urologicheskoy kliniki (zav. - prof. A.Ya. Pytel')

II Moskovskogo gosudarstvennogo meditsinskogo instituta imeni

N.I. Pirogova.

(INTRATRACHEAL ANESTHESIA) (VOCAL CORDS—DISEASES)

MAZO, Ye. B.

Use of curarelike preparations in surgical urology. Urologia
no.2:24-28 '62. (MIRA 15:4)

1. Iz urologicheskoy kliniki (zav. - prof. A. Ya. Pytel') II
Moskovskogo meditsinskogo instituta na baze 1-y Gorodskoy klini-
cheskoy bol'nitsy imeni N. I. Pirogova.

(CURARELIKE SUBSTANCES) (UROLOGY)

MAZO, Ye.B.

Anesthesia in urology; review of foreign literature. Urologia
28 no.5:68-77 S-0'63 (MIRA 17:4)

1. Iz urologicheskoy kliniki (zav. -- prof. A. Ya. Pytel') II
Moskovskogo meditsinskogo instituta imeni N.I.Pirogova.

PYTEL', A.Ya; MAZO, Ye.B.

Fibroplastic induration of the penis - Peyronie's disease
(induratio penis plastica). Urologia no.1:64-73'63.

(MIRA 16:7)

1. Iz urologicheskoy kliniki (zav. - prof. A.Ya.Pytel') II
Moskovskogo meditsinskogo instituta imeni N.I.Pirogova.
(PENIS-DISEASES) (COLLAGEN DISEASES)

PYTEL', Yu.A., kand. med. nauk; MAZO, Ye.B., kand. med. nauk

Some characteristics of intubation anaesthesia in urological patients. Vest. khir. 94 no.1:99-105 Ja '65. (MIRA 18:7)

1. Iz urologicheskoy kliniki (zav. - prof. A.Ya.Pytel') 2-go Moskovskogo meditsinskogo instituta imeni Pirogova.

MAZO, Yu. D.

Dissertation: "Theoretical and Experimental Investigation of Basic Elements of the Upper Structure of a Movable Narrow-Gauge Non-ballast Railroad." Cand Tech Sci, Moscow Forestry Engineering Inst, 26 May 54. Vechernyaya Moskva, Moscow, 17 May 54.

SO: SUM 284, 26 Nov 1954

L 12892-66 EWP(e)/EWT(m)/EWP(b) WH

ACC NR: AT6000482

SOURCE CODE: UR/0000/65/000/000/0144/0146

AUTHOR: Matveyev, M. A.; Mazo, Zh. E.; Volkodanov, A. F.; Volchek, L. K.

ORG: None

TITLE: Effect of aluminum oxide on the properties of glasses of certain alkali-free systems

SOURCE: Vsesoyuznoye soveshchaniye po stekloobraznomu sostoyaniyu. 4th, Leningrad, 1964. Stekloobraznoye sostoyaniye (Vitreous state); trudy soveshchaniya. Leningrad, Izd-vo Nauka, 1965, 144-146

TOPIC TAGS: glass property, silicate glass, alumina, coordination chemistry

ABSTRACT: A study of the properties of glasses in the systems $\text{CaO-SrO-Al}_2\text{O}_3\text{-SiO}_2$ and $\text{MnO-CaO-SrO-Al}_2\text{O}_3\text{-SiO}_2$ showed that the composition-property curves have an inflection point at a certain content of Al_2O_3 . Glass of composition corresponding to this inflection point has many valuable properties (water resistance, high elastic modulus E , fast crystal growth rate). Anomalous effects of Al_2O_3 on glass properties were also observed in the systems $\text{MgO-Al}_2\text{O}_3\text{-SiO}_2$ and $\text{SrO-Al}_2\text{O}_3\text{-SiO}_2$. The role of Al_2O_3 is a dual one, since it improves the properties up to a certain content, then lowers them. This behavior is attributed to a change in the coordination of Al^{3+} in alkali-free vitreous systems as their basicity increases, and the corresponding structural interpretation is given to account for changes in crystallizing tendency, chemical stability, and elastic modulus. Analysis of changes in

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the molar volume with the composition confirmed the hypothesis that the coordination number of aluminum ion changes from four to six (its structure changes from tetrahedral to octahedral). Orig. art. has: 3 figures.

SUB CODE: 07, 11 / SUBM DATE: 22May65 / ORIG REF: 007

Card 2/2

HW

MAZOCH, VACLAV

Wp

Distr: 4E2c(j)/4E3b/4E3d

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1-22/118
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✓ Active alloys for the direct synthesis of methylchlorosilanes. Jaroslav Žitka, Jiří Čermák, and Václav Mazoch. Czech. 87,636, Sept. 15, 1957. The process of allowing alloys of Si, Cu, and Al to temper in an oven for 6-12 hrs. above the eutectic temp. (800-1100°) and 6-10 hrs. at a sub-eutectic temp. (600-800°) gives products that bring about a higher conversion of Si (80-90%), a greater yield of higher methylated chlorosilanes, and a better reproducibility of the process. Fuse in a C crucible 42.75 kg. Si (99% Si) for 3 hrs. and 20 min. at 1470° in a gas-heated oven, add 7 kg. cathode Cu in blocks and, after the Cu has melted (approx. 15 min.), add 0.25 kg. Al in shreds. Mix the contents with a rod. After 2 min. transfer the molten mass to another prewarmed C crucible, keep for 6 hrs. at 870° and for another 6 hrs. at 700°, and then allow to cool gradually for 6-10 hrs. In another example the Si:Cu ratio is 85.5:14 and the alloy is tempered for 10 hrs. at 1000° and then allowed to cool slowly for 12 hrs. L. J. Urbánek

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Wp

Mazok, N.

AUTHOR: Mazok, N., Special Correspondent of
"Tekhnika molodezhi".

29-3-1/25

TITLE: The Green Road to the Black Treasure (Zelenaya ulitsa -
k chernomu kladu)
Hard Working Days are Similar to Fighting (Dni raboty
zharkiye, na boi polkhozhiye)

PERIODICAL: Tekhnika Molodezhi, 1958, V. 26, Nr 3, pp. 1-4 (USSR).

ABSTRACT: This is a report on the construction of 37 instead of the 35
planned mine shafts in the Donetz-basin built by the Komsomoltses
in the course of 365 working-days. Together with the secretary for
Stalin's District Committee of the Komsomol Boris Ivanovich Zuckov
and the Deputy Chief Engineer of the Institute "Stalingi preshchit-
stroy" Ivan Mikhailovich Marchenko from the town Stalino the author
went to the new settlement imeni Kirov, which was built by youth
brigades. The shafts Nikolayevskaya, Donetskaya-tret'ya, Drogobychs=
kaya and others recently set in operation, are not far from there.
Marchenko pointed to the large shaft imeni Lenin and said that the
building of such extremely large shafts makes the proper output of
coal possible only after years. Yet the country urgently requires

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The Green Road to the Black Treasure
Hard Working Days are Similar to Fighting

29-3-1/25

coal right now. A way out of the difficulty was found. In the Donbass, which has been exploited since long already, there is still a great deal of coal layers embedded in 100 to 200 m of depth. They are often off the main deposits and the building of great shafts would not be profitable since their deposits would be exhausted after 10 to 20 years already. Therefore it would be more profitable to construct small shafts exploitable for a period of 10 to 20 years. The party made an appeal and 25000 young enthusiasts volunteered for this work. But, since most of them came from other professions and since enthusiasm alone would not have been sufficient for carrying out this gigantic enterprise, approved shaft-builders were attached to the volunteers as experienced instructors. Ivan Vasil'yevich Pilipenko - Hero of Socialist Labor, built the shaft "Volynskaya Komsomol'skaya" together with the young volunteers. The shaft of 250 m depth was accomplished not within 6 months, but within 3 months only. The brigade of Ivan Rupinets did not stay behind. The young sinkers of the brigade Ivan Zakabluk hewed 107 standard meters in June, instead of 40. Records were beaten this way. Many famous sinkers, construction workers and fitters imparted their knowledge to the young people: The Heroes of Socialist Labor, Nikolai

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The Green Road to the Black Treasure
Hard Working Days are Similar to Fighting

29-3-1/25

Tikhonov and Nikolai Bankov, one of the oldest sinkers Aleksandr Ivanovich Mezhegurskiy, Vasiliy Martynyuk, Ivan Solonin, the Brigadiers Savin, Malusha and dozens of others. One learned from the other. The experience of the one was applied by the other and in this way the work could be improved and facilitated. B. I. Zubkov said that due to the judgment and adaptability of the youth, it was possible to utilize technization to its full extent.

Numbers and facts: The planned capacity of the new shafts which were built as quick as possible amounts from 100 to 500 thousand tons of coal per shaft and year. The 37 shafts built by the Komsomolses shall furnish 6 million tons of coal in 1958. This is almost as much as produced in the whole of Russia at the end of the last century. Well equipped settlements with shops, dining-rooms, kindergartens and nurseries developed in the vicinity of the shafts. The total dwelling-surface approximately amounts to 160 thousand m². Half the young builders remained there to continue work in the shafts. There are 4 figures.

AVAILABLE:
Card 3/3

Library of Congress.

1. Mining industry - USSR 2. Mining engineering - USSR

MAZOK, N (Moskva)

Devices for the intensive suction of abrasion dust. Okhr. truda i
sots. strakh. no.4:72-74 Ap '59. (MIRA 12:8)
(Dust collectors)

69309

~~30(7), 25(1), 28(1)~~

S/118/60/000/02/017/024
D038/D006

22.1000 18.7200

AUTHOR: Mazok, N.

TITLE: Problems in the Composite Mechanization⁴ of Welding

PERIODICAL: Mekhanizatsiya i avtomatizatsiya proizvodstva, 1960,
Nr 2, pp 51-53 (USSR)

ABSTRACT: Information is given on a coordination conference on
the problems of welding assembly lines⁴ and new auxili-
ary welding equipment⁴. The conference marks the be-
ginning of a campaign for composite mechanization of
the entire welding process. The conference convened
at the end of 1959 at VPTI. Vsesoyuznyy proektno-
tekhnologicheskii institut tyazhelogo mashinostroy-
eniya (All-Union Design Technology Institute of Heavy
Machine Building) in Moscow. The Institut elek-
trosvarki im. Ye.O. Patona AN USSR (Electric Welding
Institute imeni Ye.O. Paton AS UkrSSR), TsNIITMASH,
VNIIAvtogen, NIIAVTOPROM, ZIL, GAZ, Uralmashzavod,

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D038/D006

Problems in the Composite Mechanization of Welding

Podol'skiy mashinostroitel'nyy zavod im. S.Ordzhonikidze
(Podol'sk Machine Building Plant imeni S. Ordzhonikidze),
Kolomenskiy teplovozostroitel'nyy zavod (Kolomna Diesel
Locomotive Plant), "Elektrosila", STZ, Leningradskiy
ekskavatornyy zavod (Leningrad Excavator Plant) and
other organizations were represented. Specialists came
from GNTK SSSR (GNTK USSR), the Gosudarstvennyy komi-
tet Soveta Ministrov SSSR po avtomatizatsii i mashino-
stroyeniyu (State Committee of the Ministers Council
of the USSR for Automation and Machine Building), Mos-
kovskiy gorodskoy sovnarkhoz (Moscow City Sovnarkhoz),
Moskovskiy oblastnoy sovnarkhoz (Moskovskaya Oblast'
Sovnarkhoz), Leningradskiy sovnarkhoz (Leningrad Sov-
narkhoz), Sverdlovskiy Sovnarkhoz (Sverdlovsk Sovnarkhoz)
and Stalinskiy Sovnarkhoz (Stalino Sovnarkhoz). ✓

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Problems in the Composite Mechanization of Welding

In a report entitled "The Present State and Prospects of Assembly Welding Machine and Mechanized Welding Line Production", P.I. Sevbo, Candidate of Technical Sciences and designer at the Electric Welding Institute imeni Ye.O. Paton, stated that the problem consisted in complete mechanization and automation of the entire assembly-welding process, a state of affairs well-nigh achieved on the mine car assembly welding line at Toretskiy zavod (Toretskiy Plant) and the automobile-wheel line at GAZ. L.A. Zhivotinskiy, Director of the Otdel svarki VPTityazhmash Welding Department) spoke on "The Present State and Prospects of Work in the Field of Auxiliary Equipment for the Mechanization of Assembly-Welding Processes in Welded Structure Manufacture". At Novo-Kramatorskiy zavod (Novo-Kramatorsk Plant) electroslag welding of heavy press frames takes 1,359 hours, 1,007 of which are

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Problems in the Composite Mechanization of Welding

spent on auxiliary work. Special attention is given to devices for holding flux to the joints in automatic welding installations for cylinder work and internal seams. Such devices are used at Kiyevskiy zavod "Bol'shevik" (Kiyev "Bol'shevik" Plant) and Khar'kovskiy elektromekhanicheskiy zavod (Khar'kov Electromechanical Plant). At the zavod "Rostsel'mash" ("Rostsel'mash Plant") there is an automatic installation for welding in CO₂. Model welding shops are to be set up at Kolomenskiy teplovozostroitel'nyy zavod (Kolomna Diesel Locomotive Plant), Podol'sk Machine Building Plant imeni S. Ordzhonikidze and Elektrostal'skiy zavod tyazhelogo mashinostroyeniya (Elektrostal' Heavy Machine Building Plant). VPTItyazhmash have started design development on versatile auxiliary equipment and, in conjunction with the Electric Welding Institute of the AS Ukr SSR, have started to

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Problems in the Composite Mechanization of Welding

prepare a bulletin-catalog of auxiliary welding equipment. In discussions, delegates spoke of mechanization of welding at Uralkhimmashzavod (Ye.I. Starchenko); Nikolayevskiy Sudostroitel'nyy zavod im. Nosenko (Nikolayev Shipbuilding Works imeni Nosenko), (S.N. Berezhnitskiy); "Rostsel'mash" (Vasil'chenko). Head Specialist of GNTK SSSR F.V. Arifmetchikov dwelt on application of welded designs in machine industry and the development of welding during the Seven Year Plan. Ye.V. Vasil'yev (NII-Traktorsel'khoz mash) described the work of his institute on new welding equipment for the production of farming machines. In the introductory part of the article it is mentioned that a mass welding mechanization campaign has started. The lines are as follows and apply to the plants mentioned below: a highly mechanized line welding RR tank cars at Zhdanovskiy

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Problems in the Composite Mechanization of Welding

zavod tyazhelogo mashinostroyeniya (Zhdanov Heavy Machine-Building Plant); two lines for welding automobile wheels and welded chains at the plants near Gor'kovskiy sovnarkhoz (Gorkiy Sovnarkhoz); Europe's largest welding lines for large-diameter straight-weld pipes at Chelyabinskiy truboprokatnyy zavod (Chelyabinsk Pipe-Rolling Plant); a welding line for mine cars at Toret'skiy zavod ugol'nogo mashinostroyeniya (Toret'skiy Coal Mining Machine Plant). It was noted that the mechanization level of auxiliary work in construction of welded structures is too low and that standardized design and centralized production must be developed for such equipment. It was deemed necessary to establish a main organization for designing, experimental work production organization and coordination of the design work of plants and institutes.



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SOV-117-58-9-14/22

AUTHOR: Mazok, N.N.

TITLE: Brigade-Leader Yu.A. Shirokov (Brigadir Yu.A. Shirokov)

PERIODICAL: Mashinostroitel', 1958, Nr 9, pp 33-34 (USSR)

ABSTRACT: The author describes the work of a Komsomol youth brigade at the automaton workshop of the "Kalibr" machine building plant. The brigade is formed by 4 workers, headed by Yu.A. Shirokov, and is constantly endeavoring to improve work processes by developing new methods and devices. Information includes the following devices developed by Shirokov and his brigade: blanking die (Fig. 1) for small parts; jig (Fig. 2); special laying-on jig (Fig. 3) for marking and drilling holes in the parts. There are 3 diagrams and 1 photo (cover).

1. Industrial plants--USSR 2. Machine tools--Design
3. Personnel--Performance

Card 1/1

AUTHOR: Mazok, N.N.

SOV/117-58-12-29/36

TITLE: Towards the Historical Congress (Navstrechu istoricheskomu s"yezdu)

PERIODICAL: Mashinostroitel', 1956, Nr 12, p 39 and p 1 of cover (USSR)

ABSTRACT: General information is given on the activities of Komsomol work teams at the Moscow MZMA (Small Displacement Automobile Plant) taking part in the All-Union competition in honor of the XXI KPSS Congress. There is 1 photo.

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MAZOK, N.N.

Conference of mechanical engineers of White Russia. Mashinostroitel'
no.9:3-6 S '59. (MIRA 13:2)
(White Russia--Machinery industry--Congresses)

POSTNIKOV, A.; POLEVOY, S.; MAZOK, N.

Work and live as communists should, Mashinostroitel' no.9:34-35
S '59. (MIRA 13:2)

(Minsk--Automobile industry)

MAZOK, N.

Polish Industrial Exhibition in Moscow. Mashinostroitel' no.1:
40-41 Ja '60. (MIRA 13:4)
(Moscow--Exhibition) (Poland--Machinery industry)

IVANOV, M.I., insh.; MAZUK, N.N.

Over-all mechanization of loading and unloading in transportation.
Mekh.i avtom.proizv. 14 no.11:40-45 N '60. (MIRA 13:11)
(Loading and unloading--Technological innovations)

MAZOK, N.N.

Machines manufactured by our Polish friends. Stroi. 1 dor. mash.
8 no.2:33-37 F '63. (MIRA 16:3)
(Poland--Road machinery) (Poland--Construction equipment)

MAZOK, N.N.

Machinery of our Polish friends (to be concluded). Stroi. i dor.
mash. 8 no.1:34-38 Ja '63. (MIRA 18:5)

MAZOK, N.N.

Machinery of our Bulgarian and Hungarian friends. Stroi. i dor.
mash. 9 no.1:35-39 Ja '64. (MIRA 18:7)

MAZOKHIN-PORSHNYAKOV, G. A.

MAZOKHIN-PORSHNYAKOV, G. A. - "Mass Insects of the Steppe-Forest of the Order Lepidoptera." Sub 19 Sep 52, Moscow Order of the Lenin State U imeni M. V. Lomonosov. (Dissertation for the Degree of Candidate in Biological Sciences).

SO: Vechernaya Moskva January-December 1952

MAZOKHIN/PORSHNYAKOV, G.A.

Maple - Diseases and Pests

Pest of the Tatar maple. Les I step' no. 4, 1952

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

MAZOKHIN-PORSHNYAKOV, G. A.

Butterflies

Observations on the ecological system of the diurnal lepidoptera (Lepidoptera, Rhopalocera). Zool. zhur. 31 no. 2:202-212 Mr.-Ap., 1952.

Monthly List of Russian Accessions, Library of Congress, July 1952. UNCLASSIFIED.

MAZOKHIN-PORSHNYAKOV, G. A.

Butterflies

New type of *Satyrus semele* L. (Lepidoptera) from the Lower Volga Valley. Zool. zhur.
31 no. 2:288-291 Mr-Apr, 1952.

Monthly List of Russian Accessions, Library of Congress, July 1952. UNCLASSIFIED.

MAZOKHIN-PORSHNYAKOV, G. A.

China - Beetles

Carrion beetle (Coleoptera, Necrophorini) of Northeastern China. Zool. zhur. 32,
No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

MAZOKHIN-PORSEHYAKOV, G.A.

New and little known harmful Lepidoptera in the forests and forest plantations of the lower Volga Valley. Ent.oboz. 33:62-73 '53.
(MLRA 7:5)

1. Kafedra entomologii Moskovskogo Gosudarstvennogo universiteta im.
M.V.Lomonosova. (Volga Valley--Lepidoptera) (Lepidoptera--Volga Valley)

MAZOKHIN-PORSHENYAKOV, G.A.

Ultraviolet spectrum of sunlight as a factor in the habitable
environment of insects. Zhur. ob. biol. 15 no.5:362-367 8-0 '54.
(MLRA 7:12)

1. Institut biologicheskoy fiziki AN SSSR, Laboratoriya biofiziki
sreniya.

(INSECTS,

sensitivity to ultraviolet spectrum of sunlight)

(ULTRAVIOLET RAYS,

sensitivity of insects to ultraviolet spectrum of sunlight)

MAZOKHIN-PORSHNYAKOV, G.A.

Principal adaptive types of Lepidoptera. Zool.zhur.33 no.4:822-840
Jl-Ag '54. (MLRA 7:8)

1. Kafedra entomologii Moskovskogo gosudarstvennogo universiteta
im. M.V.Lomonosova i Institut biologicheskoy fiziki Akademii nauk
SSSR.
(Lepidoptera)

MAZOKHIN-PORSHNYAKOV, G.A.

~~MAZOKHIN-PORSHNYAKOV, G.A.~~

Spectral sensitivity of bumblebees. Dokl.AN SSSR 96 no.1:63-66 My '54.
(MIRA 7:5)

1. Institut biologicheskoy fiziki Akademii nauk SSSR. Predstavleno
akademikom Ye.E.Pavlovskim. (Bumblebees) (Color sense)

Width of the spectrum visible to insects. G. A. Marchukin.
Porshnyakov (G. A. Acad. Sci. U.S.S.R., 1954).
Experiments on 20 species, using phototaxis and the optomotor
reaction to a revolving striped drum, indicated that the insect
sensitivity to red of hive bees is conventional.

wasps, bumble-bees and butterflies investigated were more
sensitive.
G. S. BRINDLEY

Lab. Oxyphysic, Inst. Biol. Phys., A.B. USSR

MAZOKHIN-PORSHNYAKOV, G. A.
USSR/ Biology - Phototropism

Card 1/1

Pub. 22 - 20/53

Authors : Mazokhin-Porshnyakov, G. A.

Title : ~~Mass attraction of insects by ultra-violet radiation~~
Mass attraction of insects by ultra-violet radiation

Periodical : Dok. AN SSSR 102/4, 729-732, Jun 1, 1955

Abstract : Experiments with mercury luminescent lamps are described. The experiments were conducted to establish the fact that ultra-violet light, radiated in larger amounts by a mercury lamp and then by an incandescent lamp of the same wattage, is visible to insects since they are attracted to the mercury lamps in large numbers. Ten references: 3 USSR, 3 German and 4 USA (1913-1954).

Institution : The Acad. of Sc., USSR, Institute of Biological Physics

Presented by : Academician E. N. Pavlovskiy, February 15, 1955

MAZOKHIN-PORSHENYAKOV, G.A.

Color sense of insects; on the book "Bees, their vision, smell, taste, and tongue" by K.Fish. Biofizika 1 no.1:98-105 '56. (MIRA 9:12)

1. Institut biologicheskoy fiziki Akademii nauk SSSR, Moskva.
(COLOR SENSE) (SENSE ORGANS--INSECTS)

MAZOKHIN-PORSHENYAKOV, G.A.

Use of ultraviolet light in controlling the May beetle (*Melolontha hippocastani* Fab.) [with English summary in insert]. Zool.zhur. no.9:1356-1361 S '56. (MLRA 9:12)

1. Institut biologicheskoy fiziki Akademii nauk SSSR.
(Cockchafers) (Ultraviolet rays--Physiological effect)

MAZOKHIN, B

MAZOKHIN, G., kandidat biologicheskikh nauk.

Insects and the "Black light." Nauka i zhizn' 23 no.6:31
Je '56. (MLRA 9:9)

(Insects, Injurious and beneficial) (Ultraviolet rays)

MAZOKHIN-PORSHNYAKOV, G.A.

Nocturnal trapping of insects attracted by mercury vapor lamps and prospects of using this method in applied entomology [English summary in insert] Zool.zhur.35 no.2:238-244 F '56. (MLRA 9:7)

1. Institut biologicheskoy fiziki AN SSSR.
(Insect traps)

MAZOKHIN, PORSYANTOV, G.A.

Response of insects to certain spectral radiations [with summary in English]. Ent.obozr.35 no.4:752-759 '56. (MLRA 10:2)

1. Institut biologicheskoy fiziki Akademii nauk SSSR, Moskva.
(Insects) (Light--Physiological effect)

USSR / General and Specialized Zoology: Insects. Physiology and Toxicology. P

Abs Jour : Ref Zhur - Biol., No 18, 1958, No. 82861

Author : Mazokhin-Porshnyakov, G. A.

Inst : Not given

Title : Reflection Qualities of Butterfly Wings and the Role of Ultraviolet Rays in the Visual Perception of Insects

Orig Pub : Biofizika, 1957, 2, No 3, 358-368

Abstract : The photographing by ultraviolet rays ($\lambda 365 \text{ m}\mu$) of representatives of 12 families of Lepidoptera (over 50 species) determined their wings' ability to reflect these rays. The maximum reflection (40-70%) was recorded for the yellow and orange Gonomyza, Catopsilia, Dorcas, blue Lycaena and the white Nyctalia, Spilosoma, Hepialus. Some forms (Gonomyza, Aporia, Lycaena, and others) displayed a sharp sexual deformity in the intensity of the

Card 1/2

MAZOKHIN-PORSHNYAKOV, G. A.

USSR/General and Specialized Zoology. Insects. Injurious P
Insects and Fishes. General Problems

Abstr Jour : Ref Zhur - Biol., No 11, 1957, No 4054

Author : Mazokhin-Porshnyakov G.A.

Inst : Ichthyological Committee, AS USSR

Title : The Use of Ultraviolet Radiation in the Control
of Pests on Pond Farms

Orig, Pub : Tr. sovetskoy. Ichtiol. Komis. AN SSSR, 1957,
No. 7 (a), 404-405

Abstract : Many insects were very sensitive to ultraviolet
rays. The eyes of insects are, apparently, more
sensitive to ultraviolet radiation than to the
rays of the spectrum seen by man. Insects feed-
ing on larvae and small fry of fish gather around
the source of ultraviolet radiation in mass: diving
beetles (Dytiscidae, Cybistidae, Aciliidae, Colymb-
etidae), water scavenger beetles (Notonecta) and

Card : 1/3

USSR/General and Specialized Zoology. Insects. Injurious P
Insects and Ticks. General Problems

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 49545

corixes (Corixa). These insects habitually found in every pond and lake can destroy a lot of fish. One larva of the small diving beetle *A. sulcatus* consumed 131 small fish in 12 days, and one *Notonecta* consumed 91 small fish in 9 days. More than 1000 beetles, mostly diving beetles, were attracted to a mercury-wuartz lamp PRK-4 of 220 W. in one hour. The insects are attracted in a 500 m. radius in a flat locality without forests. The most intense flight was observed in clam warm weather in the south of the RSFSR at a temperature above 18-20°, in the central oblasts - at a temperature above 12°. The destroying part of the trap could be in the form of a funnel with a poisonous liquid at the bottom, for instance kerosene, or with arrangements for suction, while the section of the ground under the trap could

Card : 2/3

MAZOKHIN, G.A., kandidat biologicheskikh nauk.

How insects see. IUn.nat. no.8:29-30 Ag '57.
(Insects--Anatomy)
(Vision)

(MLRA 10:8)

MAZOKHIN-PORSHNYAKOV, G.A.

MAZOKHIN-PORSHNYAKOV, G.A.

Photographic illustration of the optical resolving power of compound eyes in insects [with summary in English]. Biofizika 3 no.1:62-67 '58. (MIRA 11:2)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.
(SENSE ORGANS--INSECTS) (SIGHT)

MAZOKHIN-PORSHNYAKOV, G. A. (Moscow)

"Numerous data concerning the present conception of the perception of the ultraviolet spectrum part by insects".

Theoretical and Practical Work Carried out by Entomologists.
reported at All-Union Entomological Conference, Georgian Dept. A-U
Entomological Society, Tbilisi, 4-9 Oct 1957.
Vestnik AN SSSR, 1958, v. 28, No. 1, p. 129-30 (author Gilyarov, K. S.)

MAZOKHIN-PORSENYAKOV, G.A.

Design and operation of insect traps employing sources of ultraviolet radiation [with summary in English]. Ent. oboz. 37 no. 2:464-471 '58. (MIRA 11:7)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.
(Ultraviolet rays)
(Pests--Extermination)

MAZOKHIN, G., kand. biol. nauk

The world through the eyes of a bee. Izv. tekhn. 3 no.6:33-35
Je '59. (MIRA 12:8)

(Bees)

MAZUKHIN-PORSHNYAKOV, G.A.

Discrimination of green, yellow and orange colors by bees
[with summary in English]. Biofizika 4 no.1:48-54 Ja '59.
(MIRA 12:1)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.
(BEES) (COLOR SENSE)

MAZOKHIN-PORSHNYAKOV, G.A.

Colorimetric study of visual characteristics in dragonflies;
electrophysiological study. Biofizika 4 no. 4:427-436 '59.
(MIRA 14:4)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.
(SENSE ORGANS—INSECTS) (COLOR SENSE)
(ELECTRORETINOGRAPHY)

MAZOKHIN-PORSHNYAKOV, G.A.

Vision in arthropods and polarized light. Zool.zhur. 38 no.7:
1032-1041 J1 '59. (MIRA 12:10)

1. Institute of Biological Physics, Academy of Sciences of the
U.S.S.R. (Moscow).
(Sense organs--Arthropoda) (Vision) (Polarisation (Light))

MAZOKHIN-PORSHNYAKOV, G.A.

Colorimetric study of the properties of color vision in insects with the housefly as an example. Biofizika 5 no.3:295-303 '60.
(MIRA 13:7)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.
(COLOR SENSE) (SENSE ORGANS—INSECTS)

MAZOKHIN-PORSHNYAKOV, G.A.

The system of color vision in the blowfly Calliphora. Biofizika
5 no. 6:677-703 60. (MIRA 13:10)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.
(COLOR SENSE) (SENSE ORGANS--INSECTS)

~~MAZOHIN-PORNEAKOV, G.A.~~ [Mazdzhin-Porshnyakov, G.A.]

Sight of arthropods and polarized light. *Analele biol* 14
no.1:72-83 Ja-Mar '60.

MAZOKHIN-PORSHENYAKOV, G.A.

Why are insects attracted by light? [with summary in English].
Ent. oboz. 39 no.1:52-58 '60. (MIRA 13:6)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.
(Insects--Habits and behavior) (Light--Physiological effect)

MAZOKHIN-PORSHNYAKOV, G.A.

Proof of the existence of color vision in wasps (Vespidae). Zool.
zhur. 39 no.4:553-557 Ap '60. (MIRA 13:11)

1. Institute of Biological Physics of the U.S.S.R. Academy of
Sciences, Moscow.
(Color vision) (Wasps)

MAZOKHIN-PORSHNYAKOV, G.A.

Role of sight in the life of arthropods. Vop. ekol. 7:105-106
'62. (MIRA 16:5)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.
(Arthropoda) (Eye)

MAZOKHIN-PORSHNYAKOV, G.A.

Colorimetric demonstration of trichromatism in the color vision
of bees. Biofizika, 7 no.2:211-217'62. (MIRA 16:8)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.
(BEES) (COLOR-SENSE)

MAZOKHIN-PORSHNYAKOV, G.A.

Interaction of various ocular receptors in the color vision of
the cricket. Biofizika 7 no.4:442-448 '62. (MIRA 15:11)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.
(COLOR SENSE) (CRICKETS) (ELECTRORETINOGRAPHY)

MAZOKHIN-PORSHNYAKOV, G.A.

Color sense in Goliath beetles (Coleoptera, Cetoniini). Dokl.
AN SSSR 143 no.5:1208-1210 Ap '62. (MIRA 15:4)

1. Institut biologicheskoy fiziki AN SSSR. Predstavleno
akademikom Yu.A.Orlovym.

(~~BEETLES~~) (COLOR SENSE)

MAZOKHIN-PORSHNYAKOV, G.A.

Astronomical orientation of Arthropoda. Ent. oboz. 40
no.4:724-738 '61. (MIRA 17:1)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

MAZOKHIN-PORSHNYAKOV, G.A.

Preliminary data on the spectral sensitivity of the eye in /
nocturnal insects. Ent. oboz. 42 no.3:520-526 '63.

(MIRA 17:1)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

MAZOKHIN-PORSHNYAKOV, G. A.; VISINEVSKAYA, T. M.

'An evidence of the ability of insects to distinguish the circle, triangle and other simple figures."

report submitted for 12th Intl Cong of Entomology, London, 8-16 Jul 64.

BYZOV, A.L.; MAZOKHIN-PORSHNYAKOV, G.A.

Analysis of insect electroretinograms. Biofizika 8 no.4:487-497
'63. (MIRA 17:10)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

MAZOKHIN-PORSHNYAKOV, G.A.

Methods for and present status of the study of color vision in insects.
Ent. oboz. 43 no.3 503-523 '64. (MIRA 17:10)

1. Institut problem peredachi informatsii AN SSSR, Moskva.

MAZOKHIN-FORSHNYAKOV, Georgiy Aleksandrovich; BYZOV, A.L., otv.
red.; IOFFE, V.G., red.

[Vision in insects] Zrenie nasekomykh. Moskva, Nauka,
1965. 262 p. (MIRA 18:11)

MAZOKHIN-PORSHNYAKOV, G.A.

Insects and color. Priroda 54 no.6:58-62 Ju '65.

(MIRA 18:6)

1. Institut problem peredachi informatsii AN SSSR, Moskva.

MAZOKHIN-PORSHNYAKOV, G.A.; VISHNEVSKAYA, T. M.

Proof of the capacity of insects to discriminate a circle,
triangle and other simple figures. Zool. zhur. 44 no.2:
192-197 '65. (MIRA 18:5)

1. Institut problem peredachi informatsii AN SSSR, Moskva.

MASOKHINA, N.A.

CA

PUBLISHED AND PREPARED BY
1ST AND 2ND CROSS

THERMOSTABILITY OF MALTED MILK. S. M. Bessonov and N. A. Masokhina (Central Nutrition Inst. (Moscow)). *Izv.-Sovet. (U.S.S.R.)* 10, No. 12, 31-8(1945).—Malted milk (I) is a mixt. of equal parts of milk and an ext. of wheat flour or 25% milk-75% ext. Malted milk is less stable to heating than whole milk, owing to its lower buffer capacity and high pH level; the thermostability can be improved by adding stabilizers.
Boris Gutof

11-Z

A.S.B.-11A METALLURGICAL LITERATURE CLASSIFICATION

Standardization of milk for the manufacture of fat-con-
taining soft cheese. N. Mazokhin. Molokhnaya Prod.
15, No. 6, 10-16 (1961). Abstracts are given for the re-
lation between the fat and protein contents of milk as in-
fluenced by lactation, season, and the corresponding

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MAZOKHINA, N. ^{A.} starshiy nauchnyy sotrudnik.

Buttermilk dietetic products. Moloch. prom. 17 no.6:35 '56.
(MLRA 9:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut molochnoy
promyshlennosti.
(Buttermilk) (Dairy products)

MAZOKHINA, N.N.; KOSTROVA, Ye.I.

Effect of antibiotics on the anaerobic cultures of Clostridium sporogenes
and Cl. Botulinum. Trudy VNIICOP no.11:30-33 '62. (MIRA 17:9)

MAZOKHINA, N.N.

Present-day state of the problem of the botulism stimulant and
canned food production. Kon.i ov.prom. 17 no.11:36-39 N '62.
(MIRA 15:11)

1. Tsentral'nyy nauchno-issledovatel'skiy institut konservnoy
i ovoshchesushil'noy promyshlennosti.
(Food, Canned--Microbiology) (Botulism)

MAZOKHINA, N.N.; BUDNITSKAYA, Z.S.

Microbiological inspection of the production of canned "Green
peas." Kons.i ov.prom. 17 no.9:33-37 S '62. (MIRA 15:8)

1. TSentral'nyy nauchno-issledovatel'skiy institut konservnoy i
ovoshchesushil'noy promyshlennosti.
(Peas, Canned) (Sanitary microbiology)

KOSTROVA, Ye.I.; MAZOKHINA, N.N.; MAYDENOVA, L.P.

Development of scientifically based methods of sterilization
in food canning. Kons.i ov.prom. 17 no.6:36-38 Je '62.
(MIRA 15:5)

1. TSentral'nyy nauchno-issledovatel'skiy institut
konservnoy i ovoshchesushil'noy promyshlennosti.
(Food, Canned—Sterilization)